

ABSTRACT

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A DNA sequence which encodes a human type  $\alpha$  platelet derived growth factor receptor protein which preferentially binds to the AA homodimer and AB heterodimer forms of platelet derived growth factor and also binds the BB homodimer at high affinity, is described. Substantially pure human  $\alpha$  platelet derived growth factor receptor protein and methods for recombinantly producing human  $\alpha$  platelet derived growth factor receptor protein are also described.